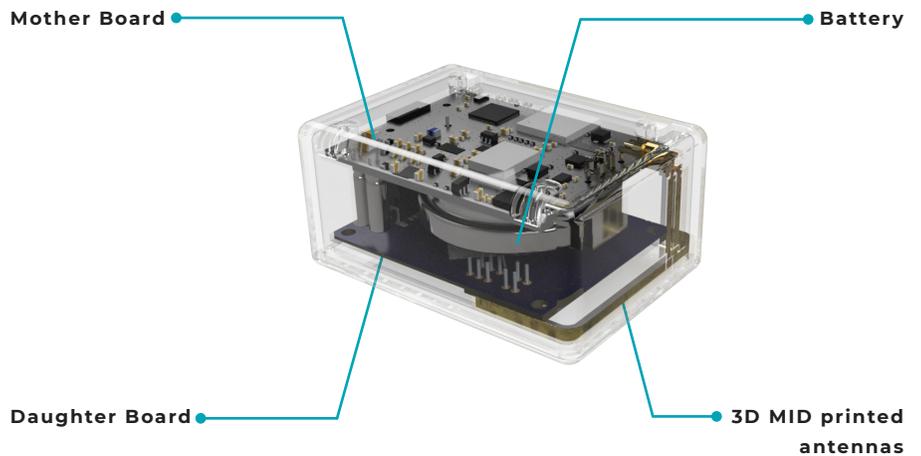# YAMORI

PRODUCT OVERVIEW

yamori

YAMORI

is the world's smallest, highly integrated, industrial grade multistack LPWAN IoT device, which aids in Rapid prototyping, experiencing versatile sensor configurations and drastically reducing time and development effort, thereby enabling faster time to market.

DEVICE PROFILE

Experiencing and realizing LPWAN technologies is now super easy. Integrating state-of-the-art Murata products like RF modules, Microbatteries, Sensors, RF antenna design and Sentinum's Product development capabilities, Yamori is an ideal platform for realizing smart city applications effortlessly.

YAMORI PLATFORM

Mother Board

Battery

Daughter Board

3D MID printed antennas

Dimensions: l x b x h = 63mm x 44mm x 29.4mm

CONNECTIVITY

NB-IoT   LTE-M   LoRa   mioty   sigfox

INTEGRATED POSITIONING SERVICE

Yamori's latest module technology enables an highly integrated positioning service via GPS and Glonass, that can be used with a combined cellular antenna, thus allowing smallest products.

EXAMPLE APPLICATIONS

CONTAINER MANAGEMENT   INDUSTRIAL LOGISTICS   SMART PARKING   PREDICTIVE MAINTANANCE   ASSET TRACKING   SMART METERING

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YAMORI

PRODUCT OVERVIEW

WHAT WE OFFER

Hardware

Connectivity

Data Management/Software

Dashboard/Backend

Global Network

Support

CONTACT

BLOCK DIAGRAM

NFC

Cellular
LoRa
GNSS

u.FL

Mother Board

MCU STM32

LBAA0QB1SJ

LBAD0XX1SC

SPI, Serial, I2C, DIO

Power

CR3477X

CT04120

Configurable sensors or X
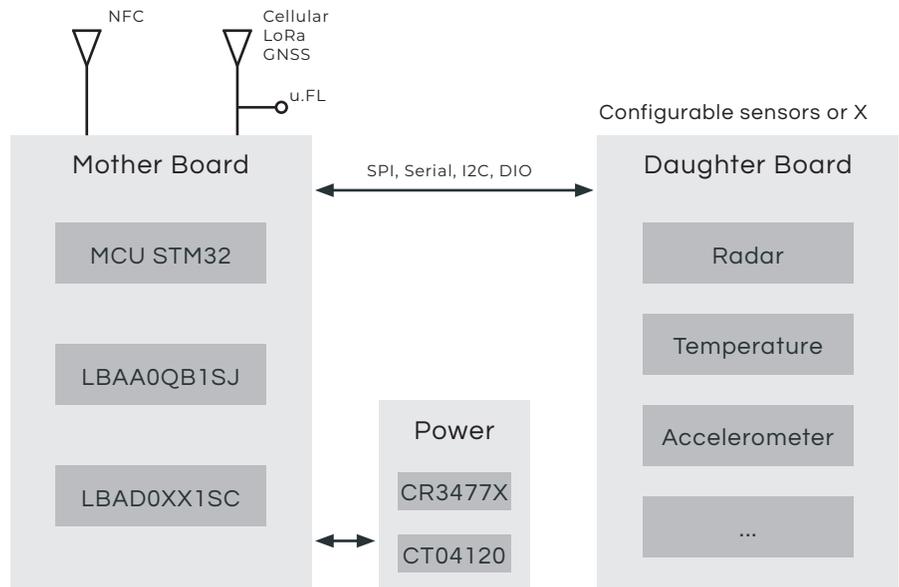
Daughter Board

Radar

Temperature

Accelerometer

...

FEATURES

PROVISIONING OVER NFC
The sensor can be activated via NFC and offers the possibility to adapt sensor and network specific settings to the respective application.

CONNECTIVITY PLATFORM
Yamori offers a highly integrated connectivity platform with Host MCU, RF modules, batteries and sensors. LoRa, NB-IoT and LTE-CAT-M1 can be used directly, MIOTY and SIGFOX can be expanded.

CLOUD PLATFORM
Yamori also offers a cloud platform where the data can be managed and monitored. As soon as the device is online, the data can be easily accessed, what allows the fast assessment of several use-cases.

3D MID PRINTED ANTENNAS
Latest manufacturing technology and advanced antenna design enables a single 3D MID printed antenna, optimised for LoRa 868MHz, Cellular Band 3/5/8/20 and GNSS. u.FL plugs allow the connection of external antennas.

MOTHER-/DAUGHTERBOARD CONCEPT
Expandable sensor board adapters allow the configuration of different sensors for a broad range of applications. Custom Daughter boards can easily designed for the Yamori platform.

DESIGNED FOR LONG LIFE APPLICATIONS
Yamori's software is modular and designed for ultra low power consumption and long life applications.

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